

# SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS



## Electrical Log

COUNTY. SAN JUAN, N.M. FIELD or LOCATION BISTI GALLUP WELL FEDERAL C #1 COMPANY SUNRAY MID-CONTINENT OIL COMPANY	COMPANY SUNRAY	Location of Well
	MIDCONTINENT OIL COMPANY	660' FR N/L 660' FR W/L SEC. 6-25N-12W
	WELL FEDERAL #1-C	ES (ML)
	FIELD BISTI GALLUP	Elevation: D.F.: K.B. 6196' or G.L.:
	LOCATION SEC. 6-25N-12W	
	COUNTY SAN JUAN	
	STATE NEW MEXICO	FILING No.

RUN No.	ONE	TWO			
Date	4-17-56	4-20-56			
First Reading	4734	5002			
Last Reading	212	4734			
Feet Measured	4522	268			
Csg. Schlum.	212	---			
Csg. Driller	212	---			
Depth Reached	4735	5003			
Bottom Driller	4800	5000			
Depth Datum	KB	KB			
Mud Nat	GEL CHEM	GEL CHEM			
Density	9.7	9.5			
Viscosity	67	70			
Resist.	3.0 @ 63 F	2.9 @ 62 F	(a) F	(a) F	(a) F
Res. BHT	1.6 @ 125 F	1.5 @ 128 F	(a) F	(a) F	(a) F
pH	9.0 @ F	8.5 @ F	(a) F	(a) F	(a) F
Wtr. Loss	7.0 CC 30 min	5.2 CC 30 min	CC 30 min	CC 30 min	CC 30 min
Max. Temp. F	125	128			
Bit Size	9"	9"			
Spcgs.—AM	16"	16"			
AM	64"	64"			
AO	18' 8"	18' 8"			
Opr. Rig Time	1 1/2 HRS	1 HR			
Truck No.	1773 FARM	1714 FARM			
Recorded By	COVEY	KIMBALL			
Witnessed By	MARSHALL	LOW			

SUNRAY MID-CONTINENT OIL COMPANY  
EXHIBIT NO. 2 CASE NO. 1664  
1665

LARGE FORMAT  
EXHIBIT HAS  
BEEN REMOVED  
AND IS LOCATED  
IN THE NEXT FILE

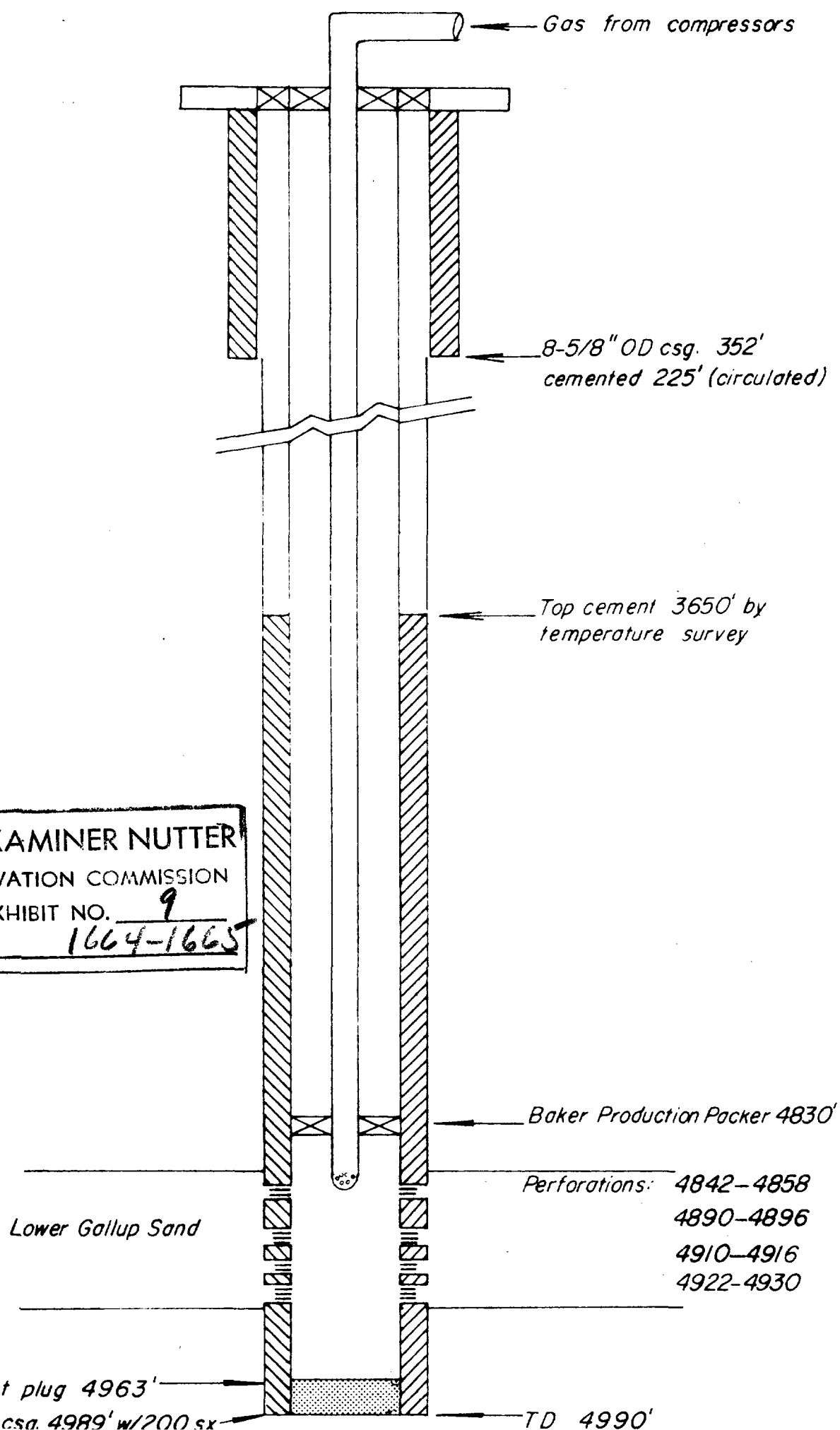
LARGE FORMAT  
EXHIBIT HAS  
BEEN REMOVED  
AND IS LOCATED  
IN THE NEXT FILE

AVERAGE RESERVOIR AND FLUID CHARACTERISTICS  
CENTRAL BISTI LOWER GALLUP SAND UNIT  
BISTI OIL POOL, SAN JUAN COUNTY, NEW MEXICO

Acres in Unit Area	7,388.46
Acres in participating area	4,713.07
Porosity, percent	14.4
Connate water, percent	26
Permeability, md.	9
Bubble point pressure, psia	1,207
Reservoir temperature, °F	145° F
Solution gas-oil ratio at bubble point CF/bbl.	406
Formation volume factor RB/STB	1.261
Viscosity of oil at bubble point CP	0.83
Gravity of oil °API	39
Color of oil	Greenish Brown

SUNRAY MID-CONTINENT OIL COMPANY  
EXHIBIT NO. 8 CASE NO. <sup>1664</sup><sub>1665</sub>

SCHEMATIC DRAWING  
 PROPOSED GAS INJECTION WELL  
 SUNRAY MID-CONTINENT OIL COMPANY  
 FEDERAL "C" NO. 18  
 BISTI-LOWER GALLUP POOL  
 SAN JUAN COUNTY NEW MEXICO



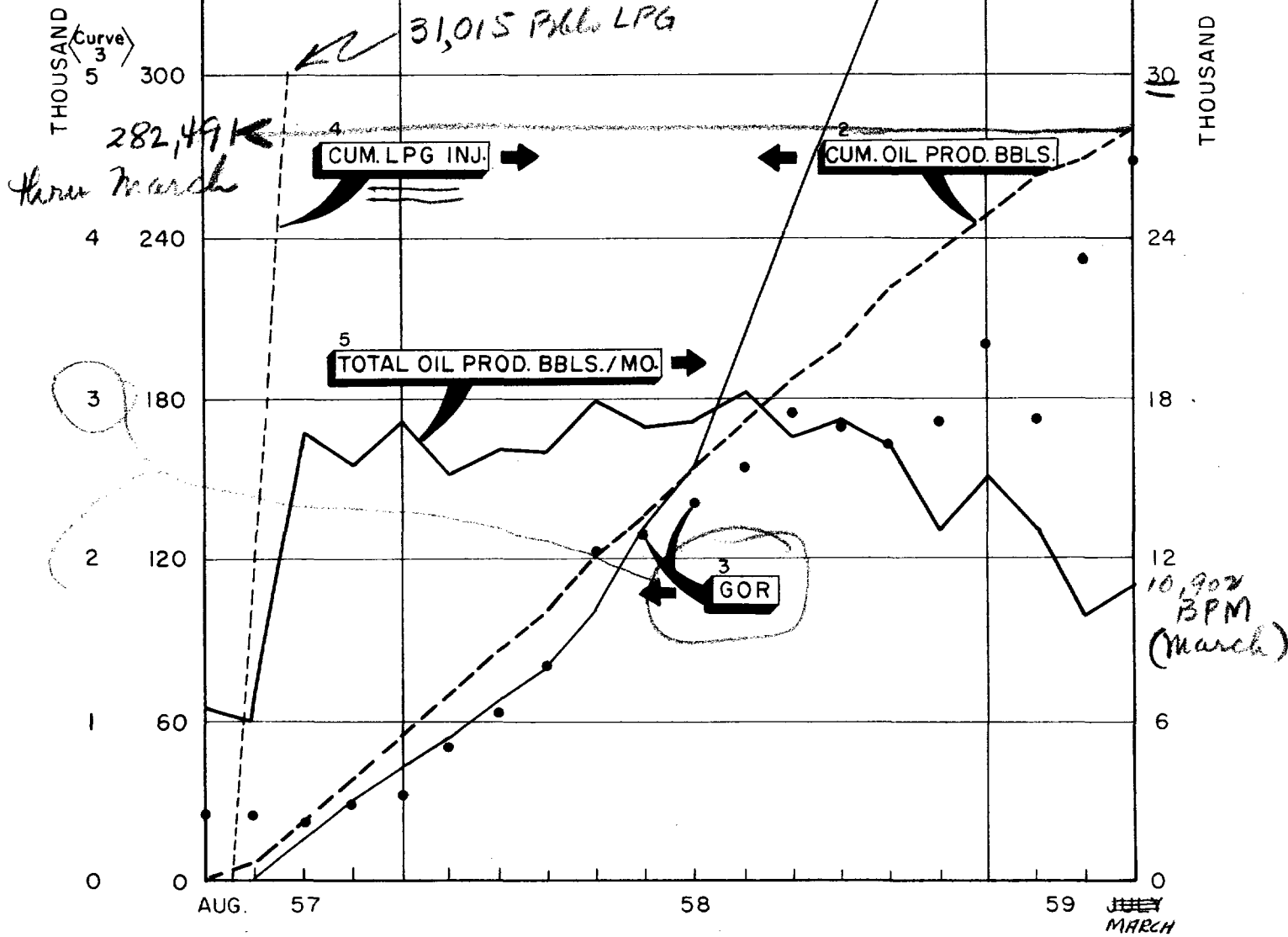
BEFORE EXAMINER NUTTER  
 OIL CONSERVATION COMMISSION  
 SDX EXHIBIT NO. 9  
 CASE NO. 1664-1665

(Curves)  
 1-2  
 600

(Curves)  
 4-5  
 60

**BISTI L.P.G. PROJECT**  
**PRODUCTION DATA**  
 San Juan Co., N. Mex.

588 MM



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## Electrical Log

COUNTY <u>SAN JUAN, N.M.</u> FIELD or <u>BISTI GALLUP</u> LOCATION <u>FEDERAL C #3</u> WELL	COMPANY <u>SUNRAY</u>	Location of Well
	MIDCONTINENT OIL COMPANY	1980' FR N/L
	WELL <u>FEDERAL C #3</u>	660' FR W/L
		SEC. 6-25N-12W
	FIELD <u>BISTI GALLUP</u>	ES (ML LL)
	LOCATION <u>SEC. 6-25N-12W</u>	
	COUNTY <u>SAN JUAN</u>	Elevation: D.F.: K.B. <u>6199'</u> or G.L. <u>6186'</u>
	STATE <u>NEW MEXICO</u>	FILING No. <u>1</u>

RUN No.	ONE				
Date	5-6-56				
First Reading	5025				
Last Reading	178				
Feet Measured	4847	SUNRAY MID-CONTINENT OIL COMPANY			
Csg. Schlum.	178	EXHIBIT NO. <u>6</u> CASE NO. <u>1664</u>			
Csg. Driller	177	<u>1665</u>			
Depth Reached	5026				
Bottom Driller	5022				
Depth Datum	KB				
Mud Nat.	GEL CHEM OIL				
" Density	9.8				
" Viscosity	80				
" Resist.	2.2 @ 96°F	@ °F	@ °F	@ °F	@ °F
" Res. BHT	1.6 @ 131°F	@ °F	@ °F	@ °F	@ °F
" pH	-- @ °F	@ °F	@ °F	@ °F	@ °F
" Wtr. Loss	-- CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.	CC 30 min.
Max. Temp. °F	131				
Bit Size	8 3/4"				
Spcgs.—AM	16"				
AM	64"				
AO	18' 8"				
Opr. Rig Time	1 1/2 HRS				
Truck No.	2783 FARM				
Recorded By	COVEY				
Witnessed By	STEIRWALT				

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